INTEROFFICE MEMORANDUM

TO: LES WHEELER

FROM: HARVEY PRIVOR

SUBJECT: BASELINE MANAGER EDF PRODUCTION CCR ATTACHMENT

DATE: MAY 30, 1996

CC:

This attachment describes tasks in more detail, to baseline EDF platforms and maintain configuration control. Baselining EDF platforms will be prioritized as follows: (1) Porting Platforms, (2) X-Terminal Servers, (3) Release B Development Environment, and (4) EP-7 Production and I&T Environment. An initial set of EDF platforms (i.e. YORK, CYCLOPS, DEUCE, SLIMER, and LUCY) was prototyped demonstrating feasibility of "Out of the Box" Baseline Manager.

The purpose of this task is to establish an EDF baseline and maintain configuration control with a change history. An existing problem has been that current EDF installed platforms configuration for development and I&T are not completely known. The basic issue is assuring that the current installed configuration reflects the latest approved baseline and that subsequent installed changes are controlled, approved, tracked and documented**.**

Change Process:

In addition to baselining EDF platforms, a significant task is maintaining a configuration control process. This process involves several steps:

(1) The proposed change must be documented by CCR and approved by the EDF CCB. A minimum guideline is if the change affects form, fit, or function.

(2) Logging and documenting an installed change.. A proposed method is for the developer to electronically log the installed change when logging off.. This proposed method should be evaluated.

(3) Monitoring changes to a platform configuration. A proposed method is using TRIPWIRE to monitor EDF platform changes from baseline configuration or previously used configuration. Either this method or a comparable method should be evaluated

(4) Reporting platform configuration changes. The EDF platform configuration would be reported on a periodic basis (TBD). A limited set of personnel (e.g. 6 people) would also have read access to Baseline Manager (XRP) to review EDF Bill of Material, Engineering Change Maintenance, Product Structure Queries, and Where Used Reports.

The Engineering Change Maintenance and Product Structure Query provide configuration information and change history for any particular day. This capability applies to the following representative cases: (1) Reconfiguration from Release A to Release B or vice-versa and (2) Upgrading a configuration, and wanting to know the previous configuration or change history.

Baseline:

The "Out of the Box" Baseline Manager provides a Parts Master (i.e. list of parts), Bill of Materials, Engineering Change Maintenance, Product Structure Query, and Where Used Report. EDF machines have been prototyped using the "Out of the Box" version of Baseline Manager, where feasibility has been demonstrated. VCATS information was used as input data as an initial cut. It is recognized that VCATS data does not necessarily represent current installed data.

It is planned to inventory designated high priority Infrastructure porting machines first. The Both hardware and software components will be inventoried. Hardware will be taken down to the card or module level. Major hardware attributes will include part number, name, description (including major characteristics), type, model number, and revision number. Software components are broken down to operating system, bundled software, patches, 3rd party COTS S/W, freeware, and shareware. Major software component attributes will include part number, name, description, and version.

HTSC will be requested to support the platform inventory to update the baseline.

A summary of major Host characteristics will also be provided including name, model, operating system and version, memory, and disk.